What you need to know for the CH 1 Unit A test.

**Vocabulary and terms**

inner core

outer core

mantle

crust

asthenosphere

lithosphere

tectonic plate

continental drift

theory of plate tectonics

Pangaea

convection current

divergent boundary

convergent boundary

transform boundary

magnetic reversal

hot spot

subduction

continental-continental collision

oceanic-oceanic collision

oceanic-continental collision

island arc

rift valley

ocean trench

mid-ocean ridge

**Contrasting and comparing and describing –**

If asked to compare or contrast or describe – try to find at least three properties to discuss. You may use a Venn diagram to organize your thoughts; however, please write a paragraph explaining what the Venn diagram is showing. A diagram alone is not sufficient (not enough).

Know the differences between the layers of the Earth: inner core, outer core, mantle, and crust in terms of density, temperature, composition(*look this word up if you do not know what it means*), thickness, and pressure.

Know the differences between hot spots and island arcs.

Know what happen to crust at the three types of boundaries.

Know how seafloor spreading helped scientist prove the theory of plate tectonics.

Know the difference between the theory of plate tectonics and Wegener’s hypothesis of continental drift (What types of evidence was used to support these?)

Know the features formed at divergent boundaries and convergent boundaries (both on land and in the ocean).

Know how a rift valley is formed and what it is.

Know the differences between ocean trenches and mid-ocean ridges.